Reliability Laboratory

TEST REPORT

Report No.: HC20092/2008
Page: 1 of 11
Date: March 3, 2008

KORENIX TECHNOLOGY, CO.
FL 9, NO. 100-1, MIN-CHUAN RD.
SHING TIEN CITY, TAIPEI, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description:	1. JetNet PoE Switch 2. JetBox 8100 Industrial Communication Computer 3. JetBox 9300 Industrial Communication Computer
Style:	1. JetNet 4706 Industrial 6-port managed PoE Switch/ No.1~No.10 2. JetBox 8100/ No.1 3. JetBox 9300/ No.1
Quantity:	Total 12 sets
Testing Period:	Jan. 10 to Jan. 14, 2008
Note:	(Client's declaration) 1. The JetBox JetNet 3706 Industrial 6-port Web-Managed PoE Switch, JetNet 3706u Industrial 6-port PoE Switch. 2. 8100d-L, JetBox 8100d-LM, JetBox 8100d-CP, JetBox 8100d-CC, JetBox 8100d-CCM, JetBox 8100d-CPM, JetBox 8100d-P, JetBox 8100d-PM, JetBox 8100d-CC and JetBox 8100d-XXX used the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)
1. Operating Vibration Test
2. Non-Operating Vibration Test

Test Results: – PLEASE SEE ATTACHED SHEETS –

Terence Hsieh
Asst. Manager

1. Operating Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:

Ambient temperature: 25±3℃

Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Reference to IEC 61373:1999, Class B

Sample Condition: Operating

Wave form: Random

Frequency: 5-150 Hz (Test Spectrums as shown in the following sheets in detail)

Direction: X, Y, Z axes (see photo 7~12)

Duration: 1 hour / axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with PC via RJ-45 port and examine the Network Connecting Function of specimen could be work normally or not.

Test Method/ Specification--Continued:

Test Spectrums:

Longitudinal – X axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	0.015163	0
20	0	0.015163	-6
150	-6	0.000273	-
⇒ equivalent to 0.7(m/s^2) rms			

Transverse – Y axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	0.006266	0
20	0	0.006266	-6
150	-6	0.000113	-
⇒ equivalent to 0.45 (m/s^2) rms			

Vertical – Z axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	0.030945	0
20	0	0.030945	-6
150	-6	0.000558	-
⇒ equivalent to 1 (m/s^2) rms			

Specimen:

Style/ Item No.: 1. JetNet 4706 Industrial 6-port managed PoE Switch/ No.1~No.10
2. JetBox 8100/ No.1
3. JetBox 9300/ No.1

Quantity: 12 sets

Test Result:

Check Item / Style/ Item No.	Appearance check (visual check)	Functional Check
JetNet 4706 Industrial 6-port managed PoE Switch/ No.1	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.2	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.3	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.4	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.5	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.6	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.7	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.8	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch9/ No.9	No visible damage	Normal
JetNet 4706 Industrial 6-port managed PoE Switch/ No.10	No visible damage	Normal
JetBox 8100/ No.1	No visible damage	Normal
JetBox 9300/ No.1	No visible damage	Normal

1. Non-Operating Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:

Ambient temperature: 25±3℃

Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Reference to IEC 61373:1999, Class B

Sample Condition: Non-Operating

Wave form: Random

Frequency: 5-150 Hz (Test Spectrums as shown in the following sheets in detail)

Direction: X, Y, Z axes (see photo 13~18)

Duration: 5 hours / axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with PC via RJ-45 port and examine the Network Connecting Function of specimen could be work normally or not.

Test Method/ Specification--Continued:

Test Spectrums:

Longitudinal – X axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	0.936079	0
20	0	0.936079	-6
150	-6	0.016873	-
⇒ equivalent to 5.5 (m/s^2) rms			

Transverse – Y axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	0.379073	0
20	0	0.379073	-6
150	-6	0.006833	-
⇒ equivalent to 3.5 (m/s^2) rms			

Vertical – Z axis			
Frequency (Hz)	**Left Slope (dB/Oct.)**	**PSD $(m/s^2)^2/Hz$**	**Right Slope (dB/Oct.)**
5	-	1.931260	0
20	0	1.931260	-6
150	-6	0.034810	-
⇒ equivalent to 7.9 (m/s^2) rms			

Specimen:

Style/ Item No.: 1. JetNet 4706 Industrial 6-port managed PoE Switch/ No.1
2. JetBox 8100/ No.1
3. JetBox 9300/ No.1

Quantity: 3 sets

Test Result:

Check Item / Style/ Item No.	Appearance check (visual check)	Functional Check
JetNet 4706 Industrial 6-port managed PoE Switch/ No.1	No visible damage	Normal
JetBox 8100/ No.1	No visible damage	Normal
JetBox 9300/ No.1	No visible damage	Normal

Test Photos:

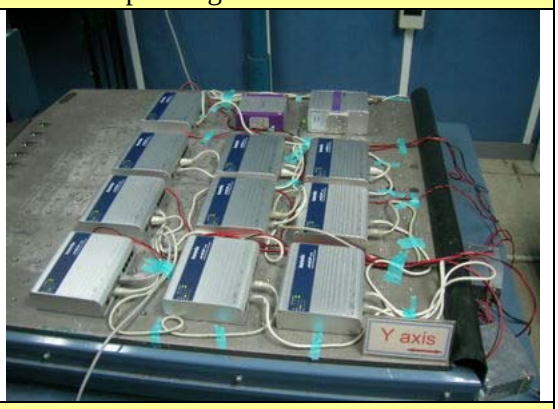
	
1. Appearance of specimen (JetNet 4706 Industrial 6-port managed PoE Switch)	2. Appearance of specimen (JetNet 4706 Industrial 6-port managed PoE Switch)
	
3. Appearance of specimen (JetBox 8100)	4. Appearance of specimen (JetBox 8100)
	
5. Appearance of specimen (JetBox 9300)	6. Appearance of specimen (JetBox 9300)

Test Photos--Continued:

7. Operating Vibration Test --X axis

8. Operating Vibration Test --X axis

9. Operating Vibration Test --Y axis



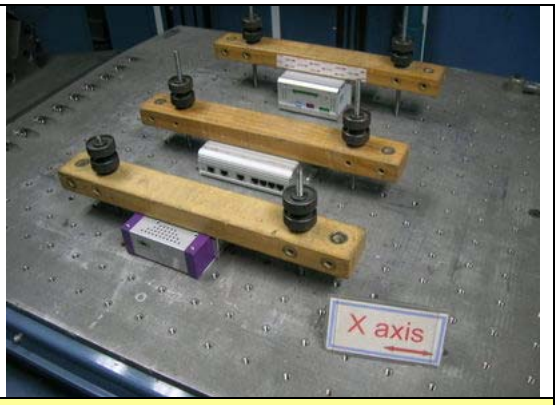
10. Operating Vibration Test --Y axis

11. Operating Vibration Test --Z axis

12. Operating Vibration Test --Z axis

Test Photos--Continued:

13. Non-Operating Vibration Test --X axis



14. Non-Operating Vibration Test --X axis

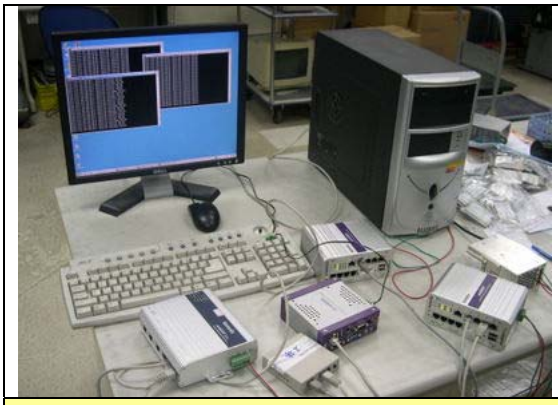
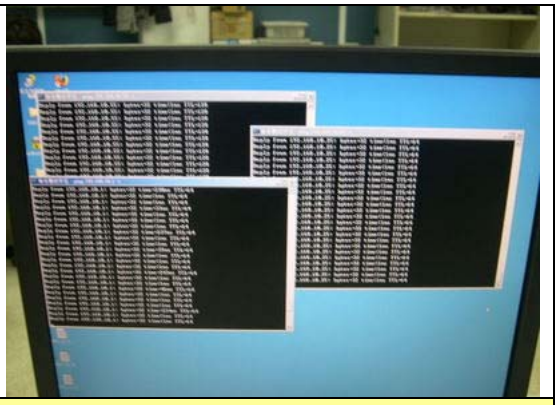
15. Non-Operating Vibration Test --Y axis

16. Non-Operating Vibration Test --Y axis

17. Non-Operating Vibration Test --Z axis

18. Non-Operating Vibration Test --Z axis

Test Photos--Continued:

	
19. Functional check	20. Functional check

— — —The End of Test Report — — —